

ABSTRACT OF THE DISCLOSURE

A adjustable shuttle stop apparatus for use in controlling feeding of material to a machining operation on a machine tool, such as a band saw. The apparatus comprises a feed conveyor, a band saw adjacent to the feed conveyor, a shuttle vise movably disposed on the feed conveyor, and an adjustable stop on the feed conveyor for adjusting a distance between the stop and the shuttle vise and for stopping the shuttle vise at the cutting position. The adjustable stop compensates for undesired movement of the shuttle vise caused by clamping the workpiece such that the distance between the stop and the shuttle vise remains substantially constant. This allows for a consistent cut length of the workpiece on subsequent cutting cycles. Different embodiments of the adjustable stop are disclosed along with a method of use of the apparatus.